

## ABSTRACT

Arrays of distinct chemically reactive materials used for assaying or screening are assembled by arranging premanufactured strips, each having a linear array of chemically reactive materials on its surface, into a frame to be exposed to a substance to be analyzed. The strips provide great flexibility in generating different types of arrays while still permitting efficiencies to be gained by batch processing of each strip type. The arrays further provide for novel read-out and reaction promotion techniques making use of the ability of the strips to direct and received energy to and from particular sites.

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